United States
Department of
Agriculture

Soil
Conservation
Service

Boise
Idaho

# WATER SUPPLY OUTLOOK FOR IDAHO

**in Cooperation with Idaho State Department of Water Resources, Idaho Soil Conservation Districts, and NOAA, National Weather Service**



**June 1, 1985**

TO RECIPIENTS OF WATER SUPPLY OUTLOOK REPORTS:

Up to 75 percent of the usable water in western states originates as mountain snowfall. This snowfall accumulates during the winter and spring, several months before the snow melts and appears as streamflow. Since the runoff from precipitation as snow is delayed, estimates of snowmelt runoff can be made well in advance of its occurrence. Streamflow forecasts published in this report are based principally on measurement of the water equivalent of the mountain snowpack.

Forecasts become more accurate as more of the data effecting runoff are measured. All forecasts assume that climatic factors during the remainder of the snow accumulation and melt season will interact with a resultant average effect on runoff. Early season forecasts are therefore subject to a greater change than those made on later dates.

The snow course measurement is obtained by sampling snow depth and water equivalent as surveyed and marked locations in mountain areas. These measurements are repeated in the same location near the same dates each year. Snow surveys are made monthly or semi-monthly from January 1 through June 1 in most states. There are about 1900 snow courses in Western United States and in the Columbia Basin in British Columbia. Snotel (snow telemetry) networks of automatic snow water equivalent and related data sensing devices, are expanding and will provide a continuous record of snow water and other parameters at key locations.

Detailed data on snow course measurements are presented in state and local reports. Other data on reservoir storage, summaries of precipitation, current streamflow, and soil moisture conditions at valley elevations are also included. A joint Soil Conservation Service and National Weather Service report for Western United States presents a broad picture of water supply outlook conditions, including selected streamflow forecasts, summary of snow accumulation to date, and storage in larger reservoirs. This report can be obtained from Soil Conservation Service, National Technical Center, Rm. 510, 511 NW Broadway, Portland, Oregon 97209.

In California, the program is coordinated by the California Department of Water Resources. The Canadian provinces of British Columbia and Alberta have comparable programs.

Copies of state and local reports may also be obtained from state offices of the Soil Conservation Service in the following states.

| STATE | ADDRESS |
|---|---|
| Alaska | Room 129, 2221 East Northern Lights Blvd., Anchorage, Alaska 99504 |
| Arizona | Room 3008, Federal Building, 230 N. First Ave., Phoenix, Arizona 85025 |
| Colorado (N. Mex.) | 2490 W. 26th Ave., Diamond Hill, Bldg. A, Denver, Colorado 80211 |
| Idaho | Room 345, 304 N. 8th St., Boise, Idaho 83702 |
| Montana | Room 443, Federal Building, 10 East Babcock, Bozeman, Montana 59715 |
| Nevada | 50 S. Virginia Street, P. O. Box 4850, Reno, Nevada 89505 |
| Oregon | 1220 S.W. Third Ave., Portland, Oregon 97204 |
| Utah | 4420 Federal Bldg., 125 South State St., Salt Lake City, Utah 84138 |
| Washington | 360 U.S. Court House, Spokane, Washington 99201 |
| Wyoming | Federal Office Building, 100 East B. Street, Casper, Wyoming 82601 |

COVER PHOTO: Snow scene near Mt. Hood.

# WATER SUPPLY OUTLOOK
# FOR
# IDAHO

and

# Federal-State-Private Cooperative Snow Surveys


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# WATER SUPPLY OUTLOOK for IDAHO

GENERAL STATEMENT FOR JUNE 1, 1985

It was a typical spring month across Idaho as May brought periods of warm dry weather followed by cool wet conditions. Temperatures ranged from near to slightly above normal with extremes occurring on both ends of the scale. Very warm weather set record temperatures on the first of May while by the middle of the month, record lows were recorded. Precipitation totals were generally above average with most of the rain falling from thunderstorms. A few locations did fail to receive even a normal amount. The Magic Valley was one such area with Twin Falls reporting only 50% of normal.

Snow measurements taken at a limited number of snow courses near June 1, 1985 indicate that the mountain snowpack continued to be depleted much earlier than normal. In northern Idaho, from the Clearwater drainage north, snow condtions above the 5500 ft. elevation are now 50 to 75 percent of average and most snowpack below the 5000 ft. elevation has completely melted. Measurements taken over the remainder of the state indicate snowpacks above 6500 ft. elevation are only 25 to 50 percent of normal while lower elevation snowpacks below 6000 feet are depleted.

Streamflows during May continued to fluctuate with temperature variations resulting in lower than expected peak flows. Most streams across southern Idaho reached their maximum peak near mid April or in the first week of May while northern Idaho streams peaked in late May. Southern Idaho streams are now expected to recede rapidly as the last of the snowpack is depleted. Northern Idaho streams should maintain somewhat higher flows another couple of weeks.

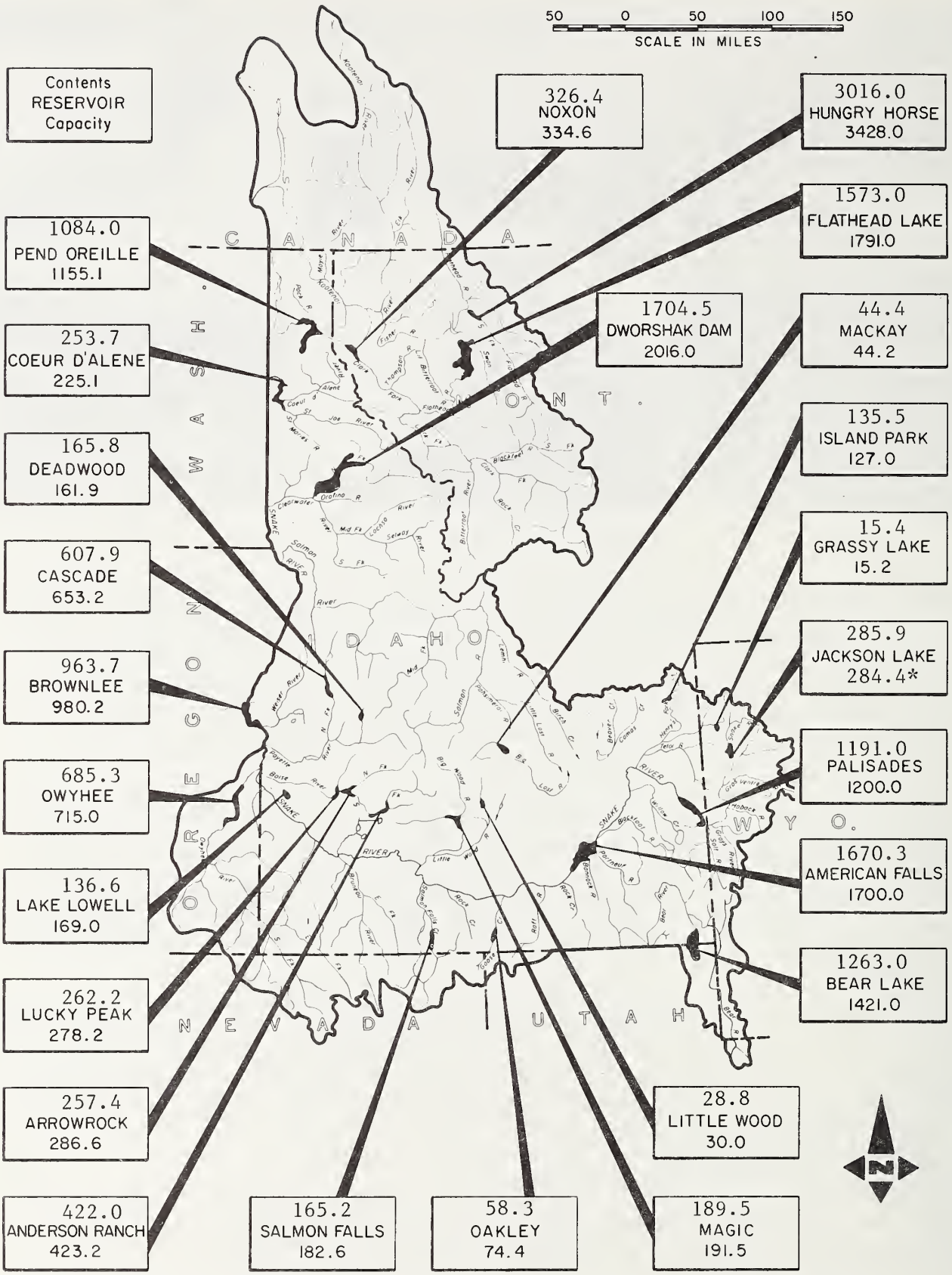
Most reservoirs were filled or nearly filled to capacity by late May and are now being drafted to meet irrigation demands.

This issue of the Water Supply Outlook report contains June 1 and supplemental measurements for 1985 and corrections to previously published data.

# RESERVOIR STORAGE

USABLE CONTENTS (1,000 Acre Feet)

- JUNE 1, 1985 -




*Usable capacity reduced by 340.0 a.f. in 1984 by Bureau of Reclamation.

## SNOW

| SNOW COURSE NAME | Elevation | THIS YEAR: Date of Survey | THIS YEAR: Snow Depth (Inches) | THIS YEAR: Water Content (Inches) | PAST RECORD: Water Content (inches): Last Year | PAST RECORD: Water Content (inches): [b] Average |
|---|---|---|---|---|---|---|
| ATLANTA SUMMIT | 7600 | 5/31/85 | 21 | 10.9 | 29.0 | 19.8 |
| ATLANTA TOWNSITE | 5370 | 5/31/85 | 0 | .0 | .0 | -- |
| BANNER SUMMIT | 7040 | 5/31/85 | 7 | 3.3 | 19.6 | -- |
| BASE CAMP | 7030 | 6/01/85 | 0 | .0 | -- | -- |
| BEAR CANYON | 7900 | 5/31/85 | 0 | .0 | 2.5 | 3.6 |
| BIG CREEK SUMMIT | 6580 | 5/26/85 | 24 | 12.8 | 30.4 | 18.6 |
| BOGUS BASIN | 6340 | 5/29/85 | 0 | .0 | 10.2 | -- |
| BREEZY SADDLE | 5010 | 5/31/85 | 3 | .8 | .0 | -- |
| BUNCHGRASS MDWSNOTEL | 5000 | 6/01/85 | --- | .0 | -- | -- |
| COOL CREEK | 6250 | 5/31/85 | 75 | 35.0 | -- | -- |
| COOLWATER MOUNTAIN | 6030 | 5/31/85 | 20 | 7.4 | 31.9 | 14.7 |
| COPPER BASIN | 7640 | 5/31/85 | 0 | .0 | .0 | .8 |
| COTTONWOOD LK AM | 7600 | 6/01/85 | 0 | .0 | -- | -- |
| COULTER CREEK | 7020 | 6/01/85 | 0 | .0 | -- | -- |
| COZY COVE | 5380 | 5/31/85 | 0 | .0 | .0 | -- |
| CRATER MEADOWS | 5960 | 5/31/85 | 33 | 19.2 | 38.5 | 29.8 |
| CUB RIVER R.S. | 5450 | 5/31/85 | 0 | .0 | .0 | .0 |
| DEADWOOD SUMMIT | 6860 | 5/31/85 | 22 | 11.2 | 33.4 | 23.7 |
| DOLLARHIDE SUMMIT | 8420 | 5/31/85 | 6 | 2.7 | 18.8 | -- |
| ELK BUTTE | 5550 | 5/31/85 | 4 | 1.9 | 13.0 | 8.9 |
| GALENA | 7440 | 5/30/85 | 0 | .0 | .0 | 1.9 |
| GALENA NEW | 7470 | 5/30/85 | 1 | .6 | 5.4 | -- |
| GALENA SUMMIT | 8780 | 5/30/85 | 4 | 1.8 | 14.6 | 14.1 |
| GARFIELD R.S. | 6560 | 5/31/85 | 0 | .0 | .0 | -- |
| GIBBONS PASS | 7100 | 5/30/85 | 3 | .5 | 13.8 | 10.2 |
| GOAT LAKE | 6500 | 5/31/85 | 56 | 26.7 | 38.5 | 36.4 |
| GRAHAM GUARD STATION | 5690 | 5/30/85 | 0 | .0 | .0 | -- |
| GRAHAM RANCH | 6270 | 5/30/85 | 0 | .0 | .0 | -- |
| GRANITE PEAK | 6000 | 5/31/85 | 49 | 23.6 | 25.4 | 29.8 |
| GROS VENTRE SUMMIT | 8750 | 6/01/85 | 0 | .0 | -- | -- |
| HEART LAKE TRAIL | 4800 | 5/29/85 | 0 | .0 | .0 | 3.1 |
| HEMLOCK BUTTE | 5810 | 5/31/85 | 38 | 16.9 | 32.1 | 29.0 |
| HOODOO BASIN | 6050 | 5/29/85 | 46 | 26.0 | 35.8 | 36.3 |
| HOODOO CREEK | 5900 | 5/29/85 | 50 | 28.6 | 31.6 | 35.6 |
| HYNDMAN CREEK | 7440 | 5/31/85 | 0 | .0 | .0 | -- |
| JACKSON PEAK | 7070 | 5/31/85 | 11 | 5.0 | 24.3 | 10.1 |
| LES BOIS | 4900 | 5/31/85 | 0 | .0 | -- | -- |
| LEWIS LAKE DIVIDE | 7850 | 5/31/85 | 25 | 13.0 | 27.2 | 30.5 |
| LOOKOUT | 5140 | 5/31/85 | 12 | 6.4 | 9.0 | 13.3 |
| LOST LAKE | 6110 | 5/31/85 | 65 | 31.2 | 42.1 | 43.4 |
| LOST-WOOD DIVIDE | 7900 | 5/31/85 | 0 | .0 | 4.2 | 8.7 |
| MASCOT MINE | 7780 | 5/31/85 | 0 | .0 | .0 | 1.7 |
| MOORES CREEK SUMMIT | 6100 | 5/29/85 | 6 | 2.8 | 18.0 | 11.2 |
| MULDOON | 6320 | 5/31/85 | 0 | .0 | .0 | -- |
| NEZ PERCE PASS | 6570 | 5/30/85 | 0 | .0 | -- | -- |
| PHILLIPS BENCH | 8200 | 6/01/85 | 0 | .0 | -- | -- |
| PINE CREEK PASS | 6810 | 5/31/85 | 0 | .0 | .0 | 1.7 |
| POISON MEADOWS | 8500 | 6/01/85 | --- | 2.1E | 14.5 | -- |
| ROAD CREEK | 5380 | 5/31/85 | 0 | .0 | -- | -- |
| SALT RIVER SUMMIT | 7700 | 6/01/85 | 0 | .0 | -- | -- |
| SCHWEITZER BASIN | 6090 | 5/29/85 | 28 | 16.0 | 39.9 | -- |
| SCHWEITZER RIDGE | 6200 | 5/29/85 | 26 | 13.4 | 40.6 | 29.9 |
| SECESH SUMMIT | 6520 | 5/26/85 | 0 | .0 | 26.5 | 16.2 |
| SHANGHAI SUMMIT | 4570 | 5/31/85 | 0 | .0 | 2.7 | -- |
| SQUAW MEADOW | 5900 | 5/26/85 | 0 | .0 | 25.4 | 9.4 |
| STATE LINE | 6660 | 5/31/85 | 0 | .0 | .0 | .8 |
| STICKNEY MILL | 7430 | 5/31/85 | 0 | .0 | .0 | .1 |
| SWEDE PEAK | 7640 | 5/31/85 | 0 | .0 | .0 | -- |
| TOGWOTEE PASS | 9580 | 6/03/85 | 28 | 12.3 | 25.8 | 30.0 |
| TOUCHET #2 SNOTEL | 5530 | 6/01/85 | --- | .0 | -- | -- |
| TRINITY MOUNTAIN | 7770 | 5/31/85 | 22 | 11.7 | 34.1 | 25.8 |
| VIENNA MINE | 8960 | 5/31/85 | 22 | 10.5 | 29.8 | 28.4 |
| WILLOW FLAT | 6100 | 5/31/85 | 0 | .0 | .0 | .0 |

*(b) 1961-1980, 20 year period. [b]Estimated 1961-1980 20 year average.*
*(e) Snow course data estimated from automated Snotel readings.*
*(AM) Aerial Marker*

## SNOW

SUPPLEMENTAL MEASUREMENTS

JANUARY 15, 1985

| SNOW COURSE NAME | Elevation | THIS YEAR: Date of Survey | Snow Depth (Inches) | Water Content (inches) | PAST RECORD: Water Content (inches) Last Year | [b] Average |
|---|---|---|---|---|---|---|
| ABOVE GILMORE | 8200 | 1/22/85 | 23 | 6.1 | -- | -- |
| ATLANTA SUMMIT | 7600 | 1/14/85 | 61 | 20.6 | 21.4 | -- |
| ATLANTA TOWNSITE | 5370 | 1/14/85 | 30 | 7.8 | 9.7 | -- |
| BAD BEAR | 4940 | 1/15/85 | 33 | 11.2 | 10.4 | -- |
| BOGUS BASIN | 6340 | 1/15/85 | 50 | 17.3 | 18.0 | -- |
| BOGUS BASIN ROAD | 5540 | 1/15/85 | 20 | 6.2 | 9.8 | -- |
| CRAB CREEK | 6860 | 1/21/85 | 29 | 7.0 | -- | -- |
| CROOKED FORK | 3610 | 1/15/85 | 33 | 7.6 | 6.8 | -- |
| EMIGRANT SUMMIT | 7390 | 1/13/85 | 42 | 12.4 | -- | -- |
| FISH LAKE AIRSTRIP | 5650 | 1/14/85 | 77 | 24.1 | 12.6 | -- |
| GALENA | 7440 | 1/15/85 | 40 | 12.5 | 11.5 | -- |
| GALENA NEW | 7470 | 1/15/85 | 45 | 14.5 | -- | -- |
| GALENA SUMMIT | 8780 | 1/15/85 | 47 | 15.0 | 14.9 | -- |
| GRAHAM GUARD STATION | 5690 | 1/14/85 | 36 | 10.4 | 11.0 | -- |
| GRAHAM RANCH | 6270 | 1/15/85 | 34 | 9.6 | 9.4 | -- |
| HEMLOCK BUTTE | 5810 | 1/14/85 | 107 | 34.9 | 20.7 | -- |
| IDAHO CITY TOWNSITE | 4000 | 1/15/85 | 18 | 5.0 | 6.2 | -- |
| JACKSON PEAK | 7070 | 1/14/85 | 55 | 18.7 | 16.4 | -- |
| LOLO PASS | 5240 | 1/15/85 | 64 | 19.0 | 10.6 | -- |
| MEADOW LAKE | 9150 | 1/22/85 | 33 | 9.2 | -- | -- |
| MINK CREEK | 6410 | 1/11/85 | 38 | 10.8 | -- | -- |
| MOORES CREEK SUMMIT | 6100 | 1/15/85 | 63 | 21.4 | 22.4 | -- |
| SAVAGE PASS | 6170 | 1/15/85 | 57 | 17.6 | 10.3 | -- |
| SHANGHAI SUMMIT | 4570 | 1/14/85 | 76 | 22.4 | 10.2 | -- |
| TRINITY MOUNTAIN | 7770 | 1/14/85 | 66 | 24.1 | 25.4 | -- |
| VIENNA MINE | 8960 | 1/14/85 | 60 | 20.5 | 21.1 | -- |

FEBRUARY 15, 1985

| SNOW COURSE NAME | Elevation | THIS YEAR: Date of Survey | Snow Depth (Inches) | Water Content (inches) | PAST RECORD: Water Content (inches) Last Year | [b] Average |
|---|---|---|---|---|---|---|
| ATLANTA SUMMIT | 7600 | 2/13/85 | 86 | 25.7 | 26.6 | -- |
| ATLANTA TOWNSITE | 5370 | 2/13/85 | 47 | 10.5 | 12.8 | -- |
| BAD BEAR | 4940 | 2/16/85 | 49 | 13.8 | 14.2 | -- |
| BOGUS BASIN | 6340 | 2/15/85 | 65 | 22.7 | 23.0 | -- |
| BOGUS BASIN ROAD | 5540 | 2/15/85 | 25 | 6.7 | 11.4 | -- |
| CROOKED FORK | 3610 | 2/18/85 | 42 | 10.9 | 8.7 | -- |
| DOLLARHIDE SUMMIT | 8420 | 2/13/85 | 67 | 17.8 | -- | -- |
| EAST TWIN | 4130 | 2/15/85 | 50 | 14.2 | -- | -- |
| FISH LAKE AIRSTRIP | 5650 | 2/13/85 | 96 | 30.1 | 19.6 | -- |
| GALENA | 7440 | 2/15/85 | 55 | 15.4 | 14.3 | -- |
| GALENA NEW | 7470 | 2/15/85 | 61 | 16.6 | -- | -- |
| GALENA SUMMIT | 8780 | 2/15/85 | 62 | 17.8 | 17.6 | -- |
| GRAHAM GUARD STATION | 5690 | 2/13/85 | 57 | 14.0 | 13.9 | -- |
| GRAHAM RANCH | 6270 | 2/15/85 | 54 | 12.3 | 12.6 | -- |
| HEMLOCK BUTTE | 5810 | 2/13/85 | 130 | 41.9 | 26.4 | -- |
| IDAHO CITY TOWNSITE | 4000 | 2/16/85 | 28 | 7.1 | 8.5 | -- |
| JACKSON PEAK | 7070 | 2/13/85 | 80 | 23.0 | 21.7 | -- |
| LOLO PASS | 5240 | 2/18/85 | 74 | 23.6 | 16.0 | -- |
| MOORES CREEK SUMMIT | 6100 | 2/16/85 | 85 | 27.0 | 28.2 | -- |
| SAVAGE PASS | 6170 | 2/19/85 | 68 | 22.0 | 15.4 | -- |
| SHANGHAI SUMMIT | 4570 | 2/13/85 | 91 | 27.8 | 13.7 | -- |
| TRINITY MOUNTAIN | 7770 | 2/13/85 | 97 | 31.5 | 31.3 | -- |
| VIENNA MINE | 8960 | 2/13/85 | 82 | 26.2 | 25.2 | -- |
| WEST TWIN | 4220 | 2/15/85 | 52 | 14.4 | -- | -- |

*(b) 1961-1980, 20 year period. *Estimated 1961-1980 20 year average.*
*(e) Snow course data estimated from automated Snotel readings.*
*(AM) Aerial Marker*

## SNOW

SUPPLEMENTAL MEASUREMENTS (Continued)

MARCH 15, 1985

| SNOW COURSE NAME | Elevation | THIS YEAR: Date of Survey | Snow Depth (Inches) | Water Content (Inches) | PAST RECORD: Water Content (inches) Last Year | b Average |
|---|---|---|---|---|---|---|
| ATLANTA SUMMIT | 7600 | 3/14/85 | 79 | 28.2 | -- | -- |
| ATLANTA TOWNSITE | 5370 | 3/14/85 | 36 | 10.7 | -- | -- |
| BAD BEAR | 4940 | 3/18/85 | 40 | 13.5 | 14.4 | -- |
| BOGUS BASIN | 6340 | 3/15/85 | 64 | 24.7 | 26.5 | -- |
| BOGUS BASIN ROAD | 5540 | 3/15/85 | 13 | 4.1 | 8.6 | -- |
| COOL CREEK | 6250 | 3/14/85 | 128 | 47.6 | -- | -- |
| CROOKED FORK | 3610 | 3/15/85 | 36 | 12.2 | 9.0 | -- |
| DOLLARHIDE SUMMIT | 8420 | 3/14/85 | 59 | 18.7 | -- | -- |
| EAST RAGGED SADDLE | 3740 | 3/14/85 | 68 | 26.6 | -- | -- |
| ELK BUTTE | 5550 | 3/14/85 | 94 | 34.8 | 26.4 | -- |
| FISH LAKE AIRSTRIP | 5650 | 3/14/85 | 91 | 31.9 | 25.4 | -- |
| GALENA | 7440 | 3/15/85 | 48 | 15.4 | 17.4 | -- |
| GALENA NEW | 7470 | 3/15/85 | 51 | 16.4 | -- | -- |
| GALENA SUMMIT | 8780 | 3/15/85 | 57 | 16.4 | 22.5 | -- |
| GRAHAM GUARD STATION | 5690 | 3/14/85 | 44 | 13.7 | -- | -- |
| GRAHAM RANCH | 6270 | 3/15/85 | 46 | 12.8 | 14.3 | -- |
| HEMLOCK BUTTE | 5810 | 3/14/85 | 120 | 46.8 | 35.0 | -- |
| IDAHO CITY TOWNSITE | 4000 | 3/18/85 | 12 | 4.0 | 6.1 | -- |
| JACKSON PEAK | 7070 | 3/14/85 | 71 | 26.4 | -- | -- |
| LOLO PASS | 5240 | 3/15/85 | 66 | 21.2 | 18.5 | -- |
| LOST LAKE | 6110 | 3/14/85 | 138 | 55.7 | 35.1 | -- |
| MOORES CREEK SUMMIT | 6100 | 3/18/85 | 75 | 28.1 | 31.2 | -- |
| PIERCE R. S. | 3080 | 3/18/85 | 30 | 10.7 | 7.5 | -- |
| PRAIRIE | 4800 | 3/15/85 | 28 | 8.3 | 6.6 | -- |
| SAVAGE PASS | 6170 | 3/15/85 | 69 | 21.8 | -- | -- |
| SHANGHAI SUMMIT | 4570 | 3/14/85 | 82 | 29.6 | 17.8 | -- |
| TRINITY MOUNTAIN | 7770 | 3/14/85 | 90 | 33.8 | -- | -- |
| TWIN SPIRIT DIVIDE | 3480 | 3/14/85 | 56 | 20.0 | -- | -- |
| VIENNA MINE | 8960 | 3/14/85 | 76 | 27.8 | -- | -- |

APRIL 15, 1985

| SNOW COURSE NAME | Elevation | THIS YEAR: Date of Survey | Snow Depth (Inches) | Water Content (Inches) | PAST RECORD: Water Content (inches) Last Year | b Average |
|---|---|---|---|---|---|---|
| ATLANTA SUMMIT | 7600 | 4/15/85 | 65 | 26.5 | 37.0 | -- |
| ATLANTA TOWNSITE | 5370 | 4/15/85 | 0 | .0 | 10.3 | -- |
| BAD BEAR | 4940 | 4/15/85 | 14 | 6.0 | 6.0 | -- |
| BOGUS BASIN | 6340 | 4/15/85 | 46 | 22.3 | 34.7 | -- |
| BOGUS BASIN ROAD | 5540 | 4/15/85 | 0 | .0 | .0 | -- |
| COOL CREEK | 6250 | 4/15/85 | 123 | 54.9 | -- | -- |
| CROOKED FORK | 3610 | 4/12/85 | 17 | 6.6 | -- | -- |
| ELK BUTTE | 5550 | 4/15/85 | 69 | 31.0 | 31.4 | -- |
| FISH LAKE AIRSTRIP | 5650 | 4/15/85 | 80 | 35.2 | 30.5 | -- |
| GALENA | 7440 | 4/15/85 | 17 | 7.0 | 17.1 | -- |
| GALENA SUMMIT | 8780 | 4/15/85 | 47 | 17.8 | 26.0 | -- |
| GRAHAM GUARD STATION | 5690 | 4/15/85 | 18 | 7.1 | 15.5 | -- |
| GRAHAM RANCH | 6270 | 4/15/85 | 24 | 8.4 | 14.9 | -- |
| HEMLOCK BUTTE | 5810 | 4/15/85 | 100 | 46.6 | 42.0 | -- |
| IDAHO CITY TOWNSITE | 4000 | 4/15/85 | 0 | .0 | -- | -- |
| JACKSON PEAK | 7070 | 4/15/85 | 58 | 25.0 | 33.6 | -- |
| LOLO PASS | 5240 | 4/12/85 | 62 | 26.0 | 20.8 | -- |
| LOST LAKE | 6110 | 4/15/85 | 123 | 59.0 | 46.4 | -- |
| MOORES CREEK SUMMIT | 6100 | 4/15/85 | 65 | 27.7 | 35.2 | -- |
| PRAIRIE | 4800 | 4/14/85 | 0 | .0 | .0 | -- |
| SAVAGE PASS | 6170 | 4/16/85 | 60 | 23.4 | 24.2 | -- |
| SHANGHAI SUMMIT | 4570 | 4/15/85 | 54 | 25.6 | 21.5 | -- |
| TRINITY MOUNTAIN | 7770 | 4/15/85 | 73 | 34.1 | 44.8 | -- |
| VIENNA MINE | 8960 | 4/15/85 | 67 | 28.8 | 36.6 | -- |

*(b) 1961-1980, 20 year period. *Estimated 1961-1980 20 year average.*
*(e) Snow course data estimated from automated Snotel readings.*
*(AM) Aerial Marker*

## SNOW

| SNOW COURSE NAME | Elevation | THIS YEAR: Date of Survey | THIS YEAR: Snow Depth (Inches) | THIS YEAR: Water Content (Inches) | PAST RECORD: Water Content (inches): Last Year | PAST RECORD: Water Content (inches): [b] Average |
|---|---|---|---|---|---|---|
| **SUPPLEMENTAL MEASUREMENTS (Continued)** | | | | | | |
| MAY 15, 1985 | | | | | | |
| ATLANTA SUMMIT | 7600 | 5/16/85 | 45 | 20.4 | 35.9 | -- |
| BOGUS BASIN | 6340 | 5/15/85 | 16 | 6.3 | 31.5 | -- |
| BOGUS BASIN ROAD | 5540 | 5/15/85 | 0 | .0 | -- | -- |
| COOL CREEK | 6250 | 5/16/85 | 101 | 51.0 | -- | -- |
| CRATER MEADOWS | 5960 | 5/15/85 | 63 | 37.0 | 42.5 | -- |
| ELK BUTTE | 5550 | 5/16/85 | 31 | 15.4 | 24.9 | -- |
| FISH LAKE AIRSTRIP | 5650 | 5/15/85 | 48 | 25.3 | -- | -- |
| GALENA | 7440 | 5/14/85 | 0 | .0 | 10.6 | -- |
| GALENA NEW | 7470 | 5/14/85 | 12 | 4.9 | -- | -- |
| GALENA SUMMIT | 8780 | 5/14/85 | 25 | 10.3 | 24.2 | -- |
| GIBBONS PASS | 7100 | 5/16/85 | 12 | 6.2 | 22.0 | 19.9 |
| GRAHAM RANCH | 6270 | 5/14/85 | 0 | .0 | 3.3 | -- |
| HEART LAKE TRAIL | 4800 | 5/15/85 | 30 | 14.2 | -- | 11.2 |
| HEMLOCK BUTTE | 5810 | 5/15/85 | 75 | 39.0 | 40.4 | -- |
| HOODOO BASIN | 6050 | 5/15/85 | 84 | 43.9 | 42.0 | 50.1 |
| HOODOO CREEK | 5900 | 5/15/85 | 80 | 42.4 | 38.6 | 46.0 |
| JACKSON PEAK | 7070 | 5/16/85 | 38 | 18.4 | 29.9 | -- |
| LOST LAKE | 6110 | 5/16/85 | 100 | 52.4 | 46.6 | -- |
| MOORES CREEK SUMMIT | 6100 | 5/15/85 | 34 | 17.4 | 33.3 | -- |
| SHANGHAI SUMMIT | 4570 | 5/15/85 | 23 | 12.4 | 14.7 | -- |
| TRINITY MOUNTAIN | 7770 | 5/16/85 | 49 | 23.6 | 42.2 | -- |
| VIENNA MINE | 8960 | 5/16/85 | 49 | 22.8 | 35.4 | -- |
| **MISCELLANEOUS SUPPLEMENTAL MEASUREMENTS** | | | | | | |
| ABOVE BURKE | 4100 | 4/01/85 | 63 | 24.5 | 14.2 | 24.0 |
| BANNER SUMMIT | 7040 | 2/05/85 | 57 | 20.5 | -- | -- |
| BEAR BASIN | 5350 | 2/07/85 | 45 | 12.4 | -- | -- |
| BEAR CREEK | 7800 | 3/22/85 | 62 | 20.7 | -- | -- |
| BLUE LEDGE MINE | 6900 | 1/21/85 | 31 | 7.9 | -- | -- |
| BUCK MEADOWS | 5650 | 3/20/85 | 63 | 24.7 | -- | -- |
| MAGIC MOUNTAIN | 6880 | 3/27/85 | 60 | 18.1 | -- | -- |
| **CORRECTIONS TO PREVIOUSLY PUBLISHED 1985 DATA** | | | | | | |
| COTTONWOOD LAKE AM | 7600 | 3/26/85 | 45 | 14.0 | 17.9 | 18.4 |
| NORTH PUTNAM | 7240 | 3/01/85 | 62 | 21.0 | -- | -- |
| SILVER CITY | 6400 | 3/03/85 | 45 | 15.0 | 21.0 | 13.8 |
| **CORRECTED DATA TO ESTIMATED READINGS MADE FROM SNOTEL 1985** | | | | | | |
| LOST-WOOD DIVIDE | 7900 | 1/01/85 | -- | 12.4 | 11.6 | 9.7 |
| LOST-WOOD DIVIDE | 7900 | 2/01/85 | -- | 12.4 | 11.9 | 16.1 |
| LOST-WOOD DIVIDE | 7900 | 3/01/85 | -- | 15.9 | 15.7 | 20.5 |
| MAGIC MOUNTAIN | 6880 | 1/01/85 | -- | 10.1 | 20.2 | 7.4 |
| MAGIC MOUNTAIN | 6880 | 2/01/85 | -- | 11.9 | 23.4 | 12.8 |
| MAGIC MOUNTAIN | 6880 | 3/01/85 | -- | 16.8 | 27.4 | 16.4 |

*(b) 1961-1980, 20 year period. *Estimated 1961-1980 20 year average.*
*(e) Snow course data estimated from automated Snotel readings.*
*(AM) Aerial Marker*

## SNOTEL PILLOW DATA

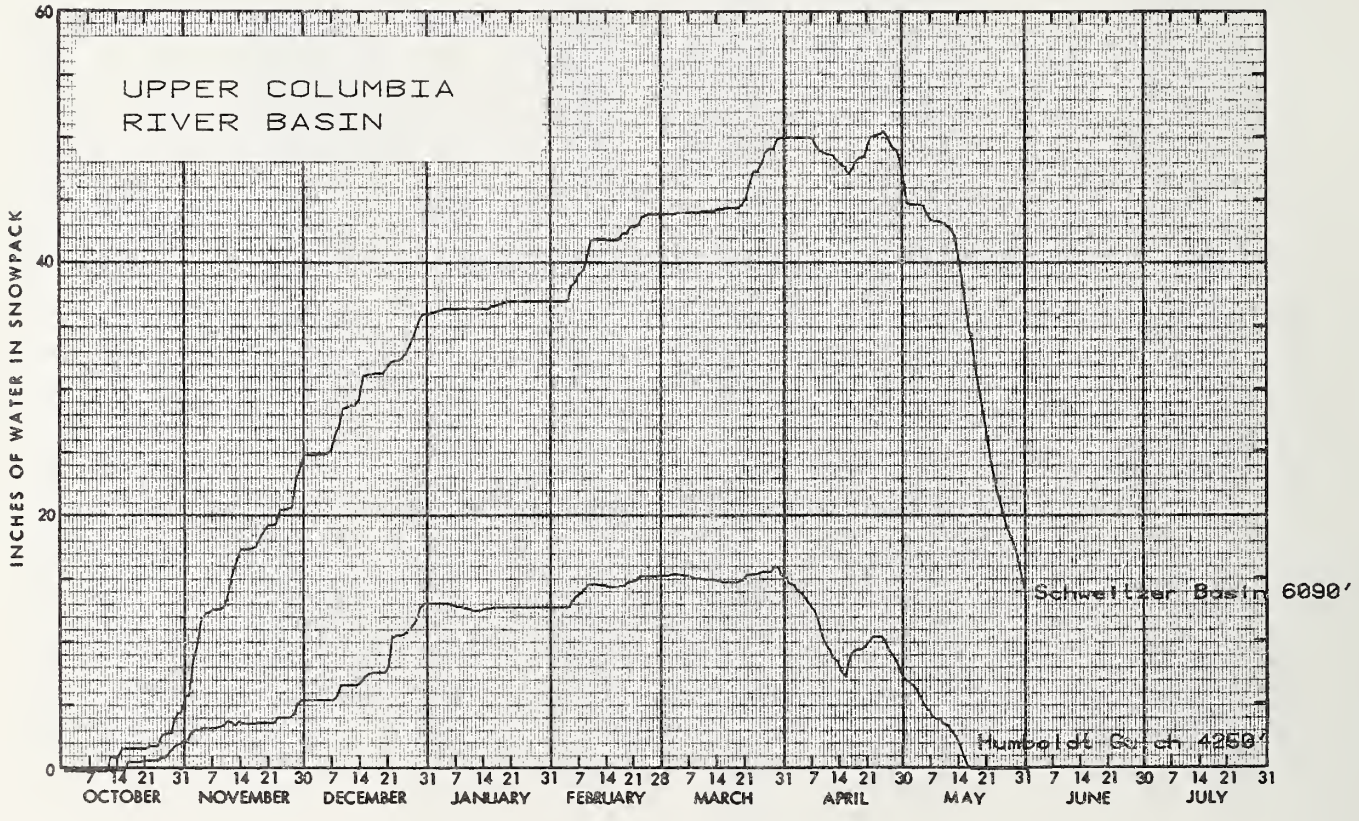
| Data Site Name | Drainage | Elevation | This Year | | Past Record | |
|---|---|---|---|---|---|---|
| | | | Date | Water Content (inches) | Last Year | 61-80 1/ Average |
| Atlanta Summit | Boise | 7580 | 6/1 | 6.3 | 23.0 | 18.8 |
| Banner Summit | Payette | 7040 | 6/1 | 2.6 | 16.0 | -- |
| Base Camp | Upper Snake | 7030 | 6/1 | 0.0 | 0.0 | -- |
| Bear Basin | Little Salmon | 5350 | 6/1 | 0.0 | 4.4 | -- |
| Bear Canyon | Big Lost | 7900 | 6/1 | 0.0 | 0.0 | 2.5 |
| Bear Creek | Jarbridge | 7800 | 6/1 | 0.0 | 22.5 | |
| Bear Mountain | Clark Fork | 5400 | 6/1 | 26.2 | 35.3 | -- |
| Bear Saddle | Mann Creek | 6180 | 6/1 | 0.0 | 5.6 | -- |
| Bennett Mountain | Canyon Creek | 6560 | 6/1 | 0.0 | 0.0 | -- |
| Big Creek Summit | Salmon | 6580 | 6/1 | 8.3 | 22.8 | 17.5 |
| Big Sandy Opening | Green | 9080 | 6/1 | 0.0 | NA | -- |
| Blind Bull Summit | Green | 8650 | 6/1 | 1.0 | 17.9 | -- |
| Bostetter Ranger Station | Trapper | 7500 | 6/1 | 0.0 | 29.0 | -- |
| Bunchgrass Meadow | Pend Oreille | 5000 | 6/1 | 0.0 | 20.3 | -- |
| Cool Creek | Clearwater | 6250 | 6/1 | 37.0 | -- | -- |
| Cottonwood Lake | Salt | 7600 | 6/1 | 0.0 | 7.4 | -- |
| Coulter Creek | Upper Snake | 7020 | 6/1 | 0.0 | 0.0 | -- |
| Cozy Cove | Deadwood | 5380 | 6/1 | 0.0 | 0.0 | -- |
| Crab Creek | Camas-Beaver | 6860 | 6/1 | 0.0 | -- | -- |
| Crater Meadows | Clearwater | 5960 | 6/1 | 12.2 | -- | -- |
| Deadwood Summit | Deadwood | 6860 | 6/1 | NA | 35.7 | 29.1 |
| Dollarhide Summit | Big Wood | 8420 | 6/1 | 3.4 | 19.6 | -- |
| Elk Butte | Clearwater | 5550 | 6/1 | 10.8 | 27.8 | 22.8 |
| Elkhart Park Guard Station | Green | 9400 | 6/1 | 0.0 | 1.3 | -- |
| Emigrant Summit | Bear | 7390 | 6/1 | NA | 0.68 | -- |
| Franklin Basin | Cub | 8170 | 6/1 | 0.0 | 6.7 | -- |
| Galena | Big Wood | 7470 | 6/1 | 0.0 | 6.3 | 11.5 |
| Galena Summit | Big Wood | 8780 | 6/1 | NA | NA | 11.4 |
| Garfield Ranger Station | Little Wood | 6560 | 6/1 | 0.0 | 0.0 | -- |
| Giveout | Montpelier | 6930 | 6/1 | 0.0 | 0.0 | -- |
| Goat Creek | Salmon Falls | 8880 | 6/1 | 0.0 | 21.5 | -- |
| Graham Guard Station | Boise | 5690 | 6/1 | 0.0 | 0.0 | -- |
| Grassy Lake | Upper Snake | 7265 | 6/1 | 0.0 | 18.5 | -- |
| Gros Ventre Summit | Upper Snake | 8750 | 6/1 | 0.0 | 0.0 | -- |
| Hemlock Butte | Clearwater | 5810 | 6/1 | 18.6 | 38.0 | 36.0 |
| Hilts Creek | Little Lost | 8000 | 6/1 | 0.0 | 0.0 | -- |
| Howell Canyon | Marsh Creek | 7980 | 6/1 | 0.0 | 13.3 | -- |
| Humboldt Gulch | Coeur d'Alene | 4250 | 6/1 | 0.0 | 0.0 | -- |
| Hyndman | Big Wood | 7440 | 6/1 | 0.0 | 0.0 | 1.2 |
| Indian Creek | Green | 7960 | 6/1 | 0.0 | 20.3 | -- |
| Island Park | Henrys Fork | 6290 | 6/1 | 0.0 | 0.0 | -- |
| Jackson Peak | Boise | 7070 | 6/1 | 6.9 | 21.3 | 10.6 |
| Kelley Ranger Station | Green | 8180 | 6/1 | 0.0 | 0.0 | -- |
| Lewis Lake Divide | Upper Snake | 7850 | 6/1 | NA | 17.9 | -- |
| Lolo Pass | Lochsa | 5240 | 6/1 | 0.0 | 2.8 | -- |
| Lookout | Coeur d'Alene | 5140 | 6/1 | 0.6 | NA | 13.5 |
| Loomis Park | Green | 8240 | 6/1 | 0.0 | 0.0 | -- |
| Lost Lake | Clearwater | 6110 | 6/1 | 39.2 | 54.5 | 55.1 |
| Lost-Wood Divide | Big Lost | 7900 | 6/1 | 0.0 | 3.9 | 11.1 |
| Magic Mountain | Rock Creek | 6880 | 6/1 | 0.0 | 11.1 | -- |
| Meadow Lake | Lemhi | 9150 | 6/1 | 0.0 | NA | -- |
| Mill Creek Summit | Salmon | 8800 | 6/1 | 0.8 | 13.5 | -- |
| Moonshine | Little Lost | 7440 | 6/1 | 0.0 | 0.0 | -- |
| Moores Creek Summit | Boise | 6100 | 6/1 | 0.0 | 19.0 | 11.8 |
| Moose Creek | N. Fork Salmon | 6200 | 6/1 | 0.0 | 0.7 | -- |
| Morgan Creek | Salmon | 7600 | 6/1 | 0.0 | 0.2 | -- |
| Mosquito Ridge | Coeur d'Alene | 5200 | 6/1 | 4.1 | 14.6 | -- |
| Mountain Meadows | Selway | 6360 | 6/1 | 0.4 | 26.7 | -- |
| Mud Flat | Owyhee | 5730 | 6/1 | 0.0 | 0.0 | -- |
| Oxford Spring | Malad | 6740 | 6/1 | 0.0 | 0.0 | -- |
| Phillips Bench | Salmon Falls | 8200 | 6/1 | 0.0 | 13.0 | -- |
| Pole Creek Ranger Station | Salmon Falls | 8330 | 6/1 | 0.0 | 19.4 | -- |
| Prairie | Boise | 4800 | 6/1 | 0.0 | 0.0 | -- |
| Salt River Summit | Salt | 7700 | 6/1 | 0.0 | 0.0 | -- |
| Savage Pass | Lochsa | 6170 | 6/1 | 4.2 | 12.9 | -- |
| Schweitzer Basin | Pend Oreille | 6090 | 6/1 | 17.8e | 45.8 | 39.7 |
| Secesh Summit | Payette | 6520 | 6/1 | 0.0 | 27.1 | 18.9 |
| Shanghai Summit | Clearwater | 4570 | 6/1 | 0.0 | 1.0 | -- |
| Sheep Mountain | Willow | 6570 | 6/1 | 0.0 | 0.0 | -- |
| Sherwin | St. Maries | 3200 | 6/1 | 0.0 | 0.0 | -- |
| Slug Creek Divide | Blackfoot | 7225 | 6/1 | 0.0 | 0.0 | -- |
| Snider Basin | Green | 8060 | 6/1 | 0.0 | 0.0 | -- |
| Somsen Ranch | Willow Creek | 6800 | 6/1 | 0.0 | 0.0 | -- |

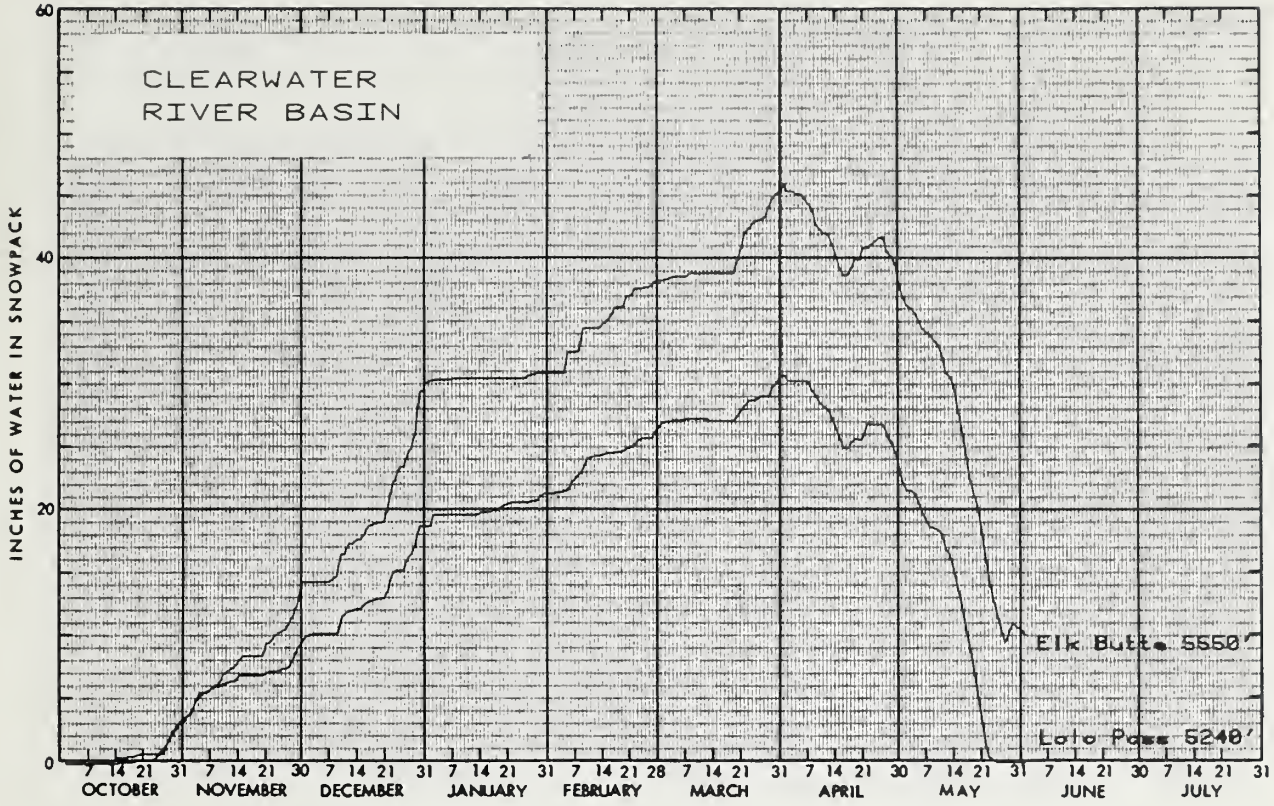
1/ Estimated 1961-1980 20 year average.
NA Data not available
e Estimated

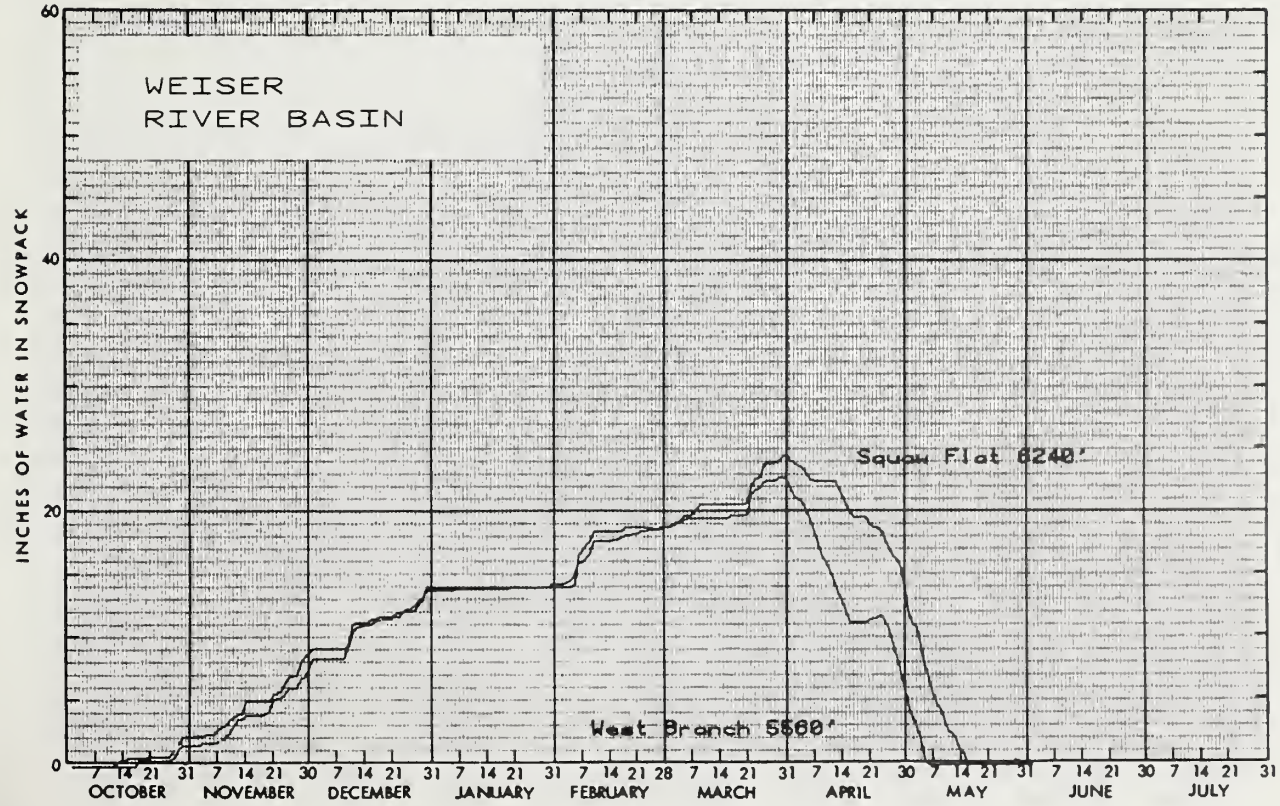
## SNOTEL PILLOW DATA

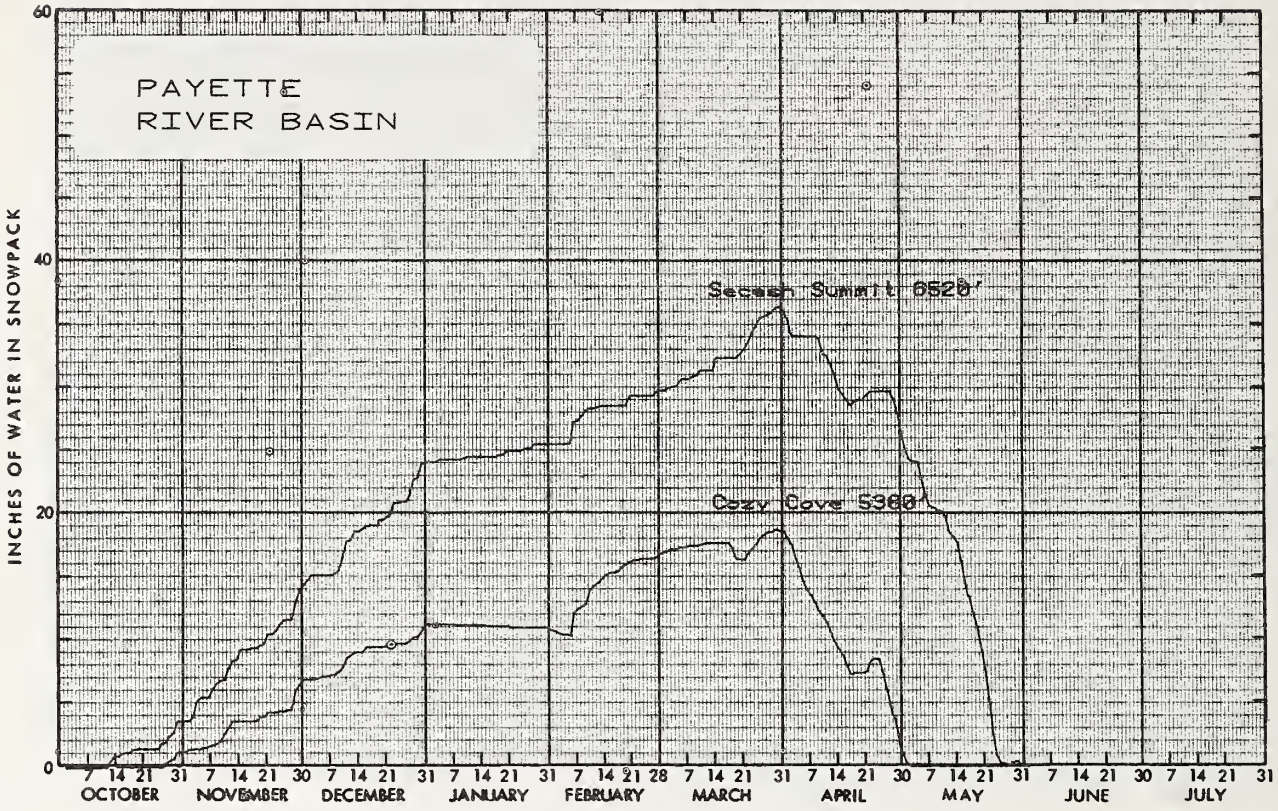
| Data Site Name | Drainage | Elevation | This Year | | Past Record | |
|---|---|---|---|---|---|---|
| | | | Date | Water Content (inches) | Last Year | 61-80 1/ Average |
| South Mountain | Jordan-Owyhee | 6500 | 6/1 | 0.0 | 0.0 | --- |
| Spring Creek Divide | Green | 9000 | 6/1 | 0.0 | 11.3 | --- |
| Squaw Flat | Weiser | 6240 | 6/1 | 0.0 | 0.0 | --- |
| Stickney Mill | Big Lost | 7430 | 6/1 | 0.0 | 0.0 | 0.0 |
| Sunset | Coeur d'Alene | 5540 | 6/1 | 16.8 | NA | --- |
| Swede Peak | Little Wood | 7640 | 6/1 | 0.0 | 0.0 | --- |
| Togwotee Pass | Upper Snake | 9580 | 6/1 | 14.3e | 12.2 | --- |
| Touchet #2 | Touchet | 5530 | 6/1 | 0.0 | 9.3 | --- |
| Trinity Mountain | Boise | 7770 | 6/1 | 16.0 | 34.0 | 29.0 |
| Two Ocean Plateau | Upper Snake | 9160 | 6/1 | 20.3 | 26.1 | --- |
| Vienna Mine | Salmon | 8960 | 6/1 | 14.0 | 28.3 | 29.8 |
| West Branch | Weiser | 5560 | 6/1 | 0.0 | 0.0 | --- |
| White Elephant | Henrys Fork | 7710 | 6/1 | 0.0 | 9.2 | --- |
| Wildhorse Divide | Portneuf | 6490 | 6/1 | NA | NA | --- |
| Willow Creek | Greys | 8450 | 6/1 | 0.0 | 22.8 | --- |

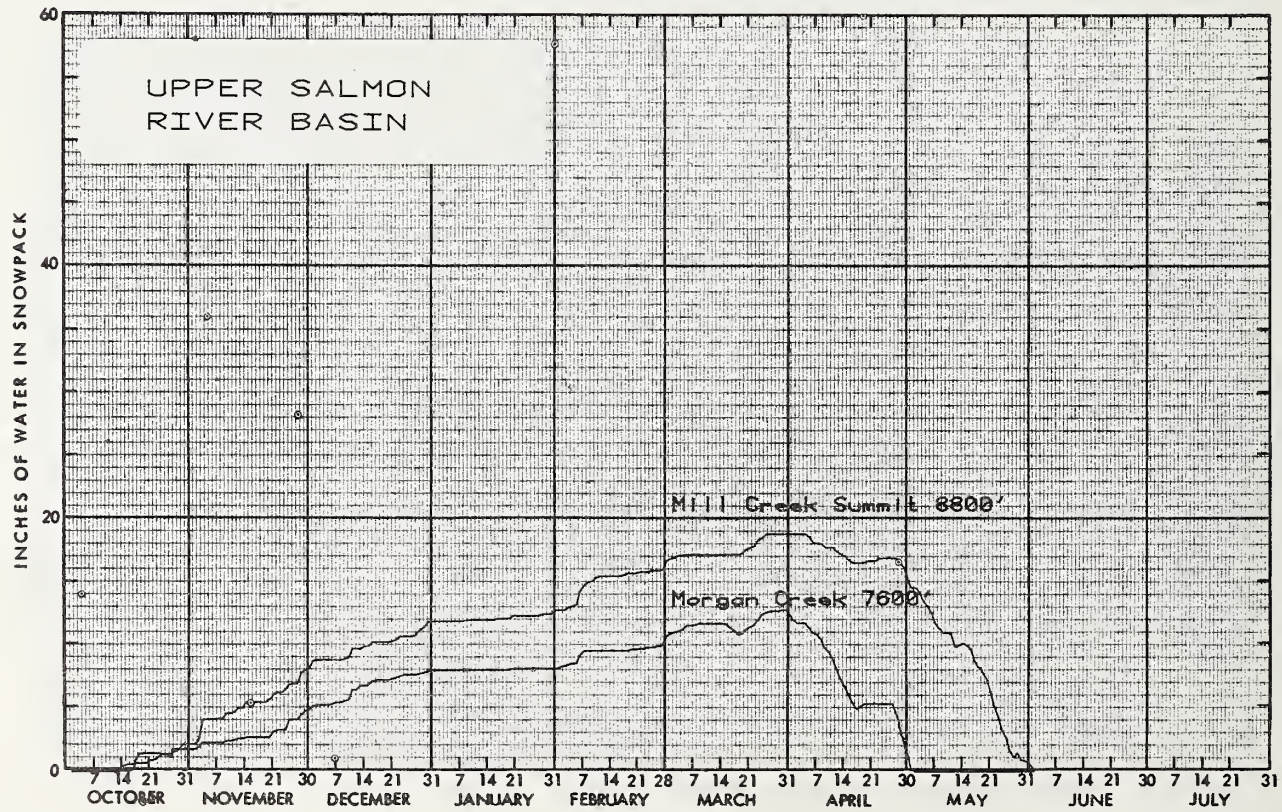
1/ Estimated 1961-1980 20 year average.
NA Data not available
e Estimated

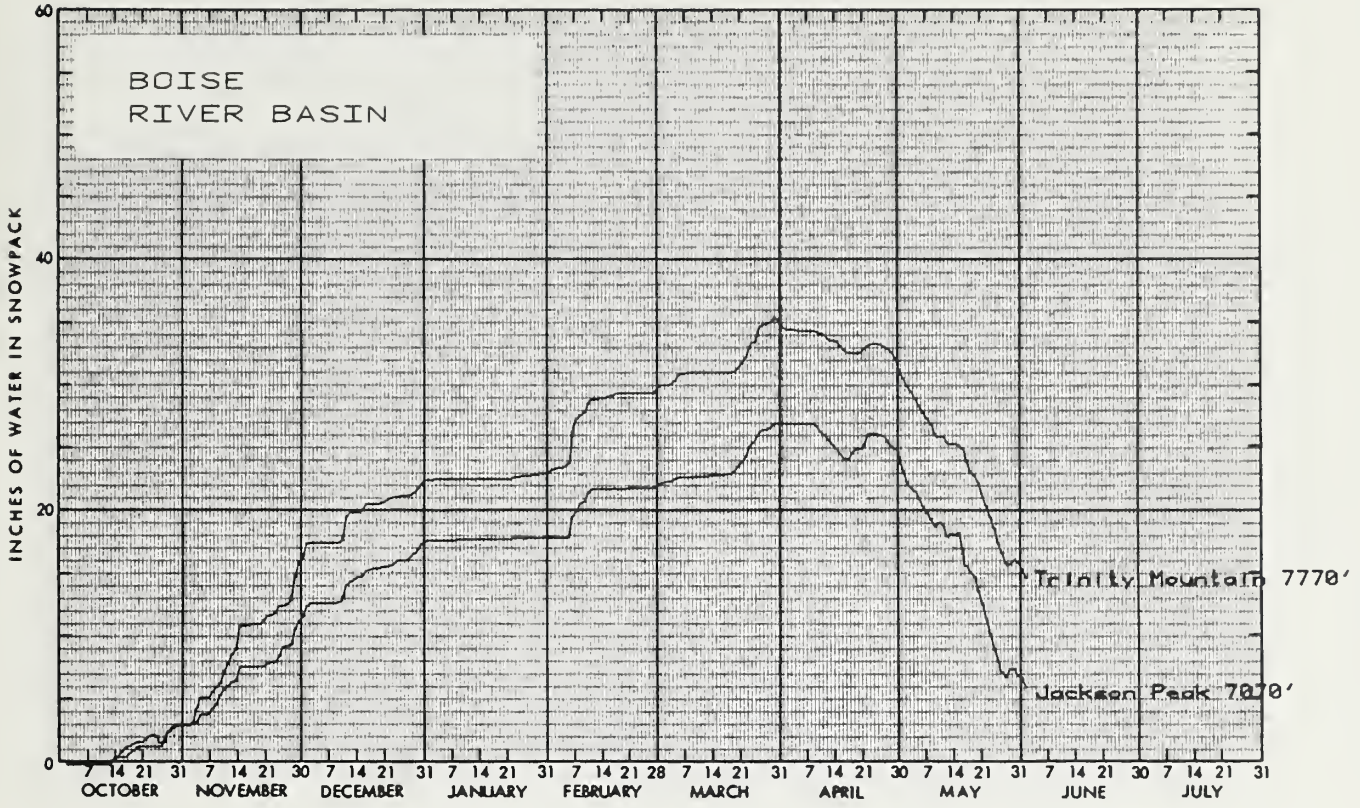


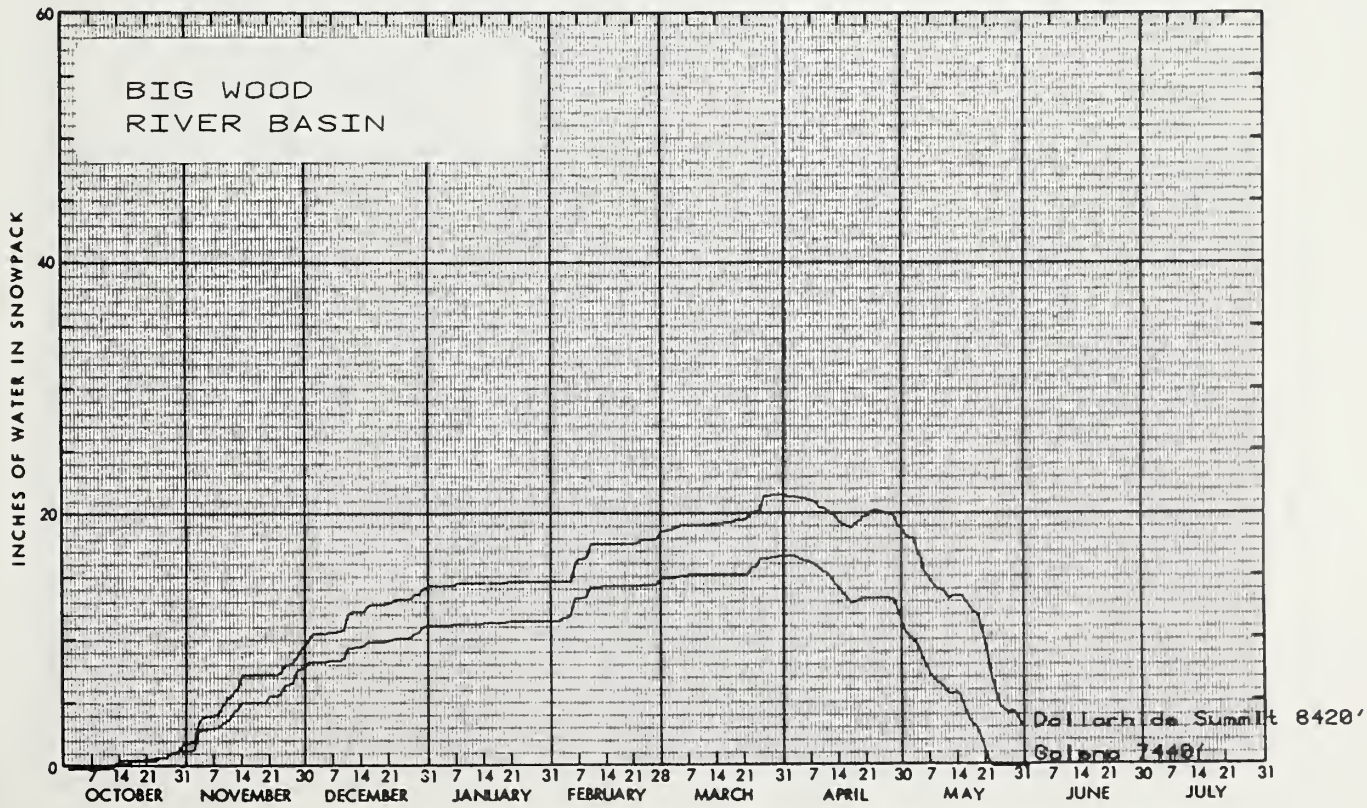

CLEARWATER
RIVER BASIN
INCHES OF WATER IN SNOWPACK
60
40
20
0
Elk Butte 5550'
Lolo Pass 6240'
7 14 21 31 7 14 21 30 7 14 21 31 7 14 21 31 7 14 21 28 7 14 21 31 7 14 21 30 7 14 21 31 7 14 21 30 7 14 21 31
OCTOBER
NOVEMBER
DECEMBER
JANUARY
FEBRUARY
MARCH
APRIL
MAY
JUNE
JULY

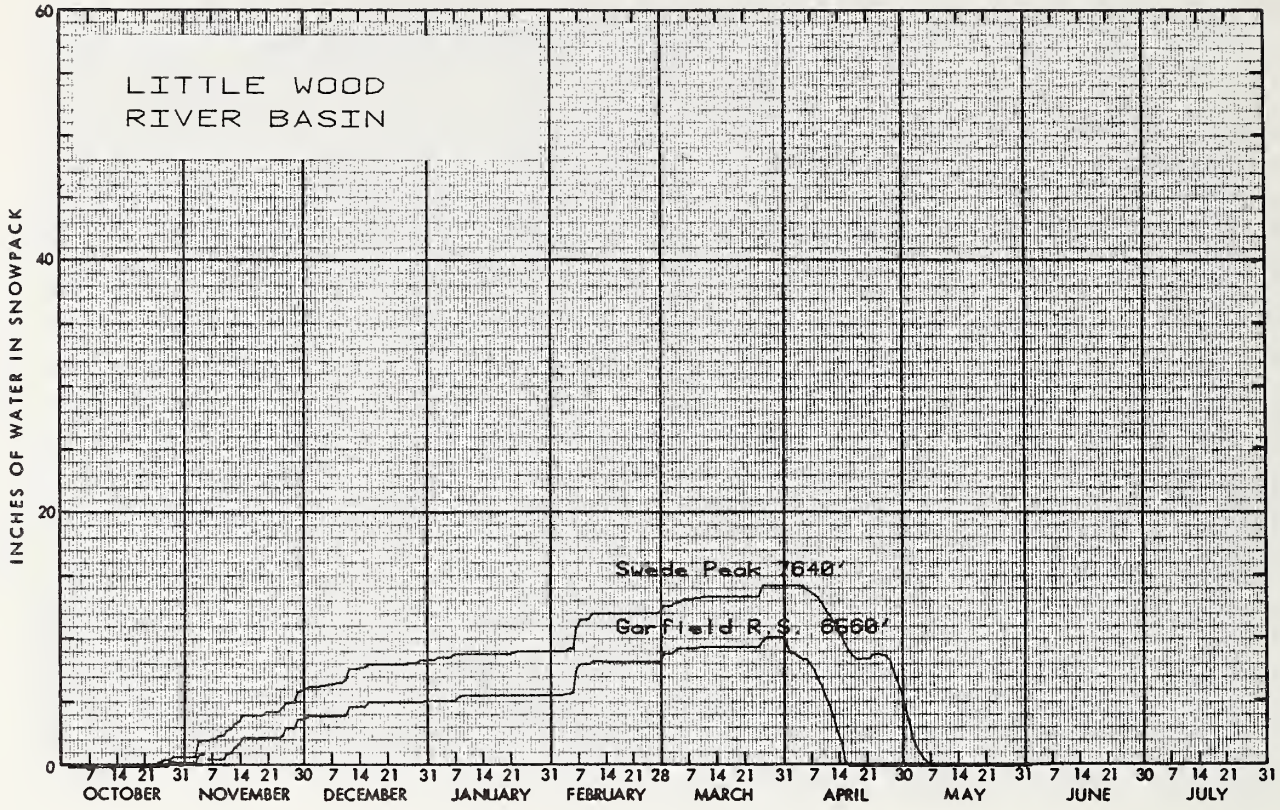

WEISER
RIVER BASIN
INCHES OF WATER IN SNOWPACK
60
40
20
0
Squaw Flat 6240'
West Branch 5560'
7 14 21 31 7 14 21 30 7 14 21 31 7 14 21 31 7 14 21 28 7 14 21 31 7 14 21 30 7 14 21 31 7 14 21 30 7 14 21 31
OCTOBER
NOVEMBER
DECEMBER
JANUARY
FEBRUARY
MARCH
APRIL
MAY
JUNE
JULY

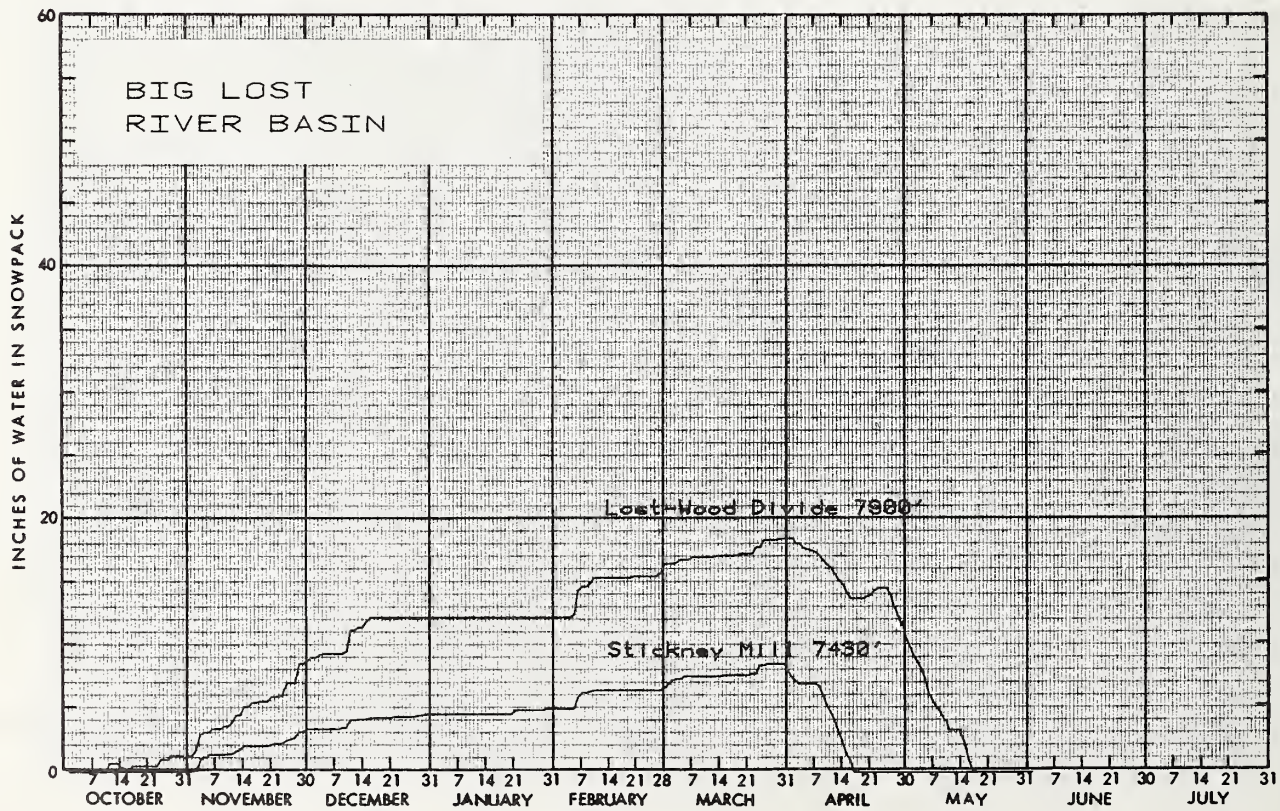

PAYETTE
RIVER BASIN
INCHES OF WATER IN SNOWPACK
Secesh Summit 6520'
Cozy Cove 5360'
0
20
40
60
7 14 21 31 7 14 21 30 7 14 21 31 7 14 21 31 7 14 21 28 7 14 21 31 7 14 21 30 7 14 21 31 7 14 21 30 7 14 21 31
OCTOBER
NOVEMBER
DECEMBER
JANUARY
FEBRUARY
MARCH
APRIL
MAY
JUNE
JULY

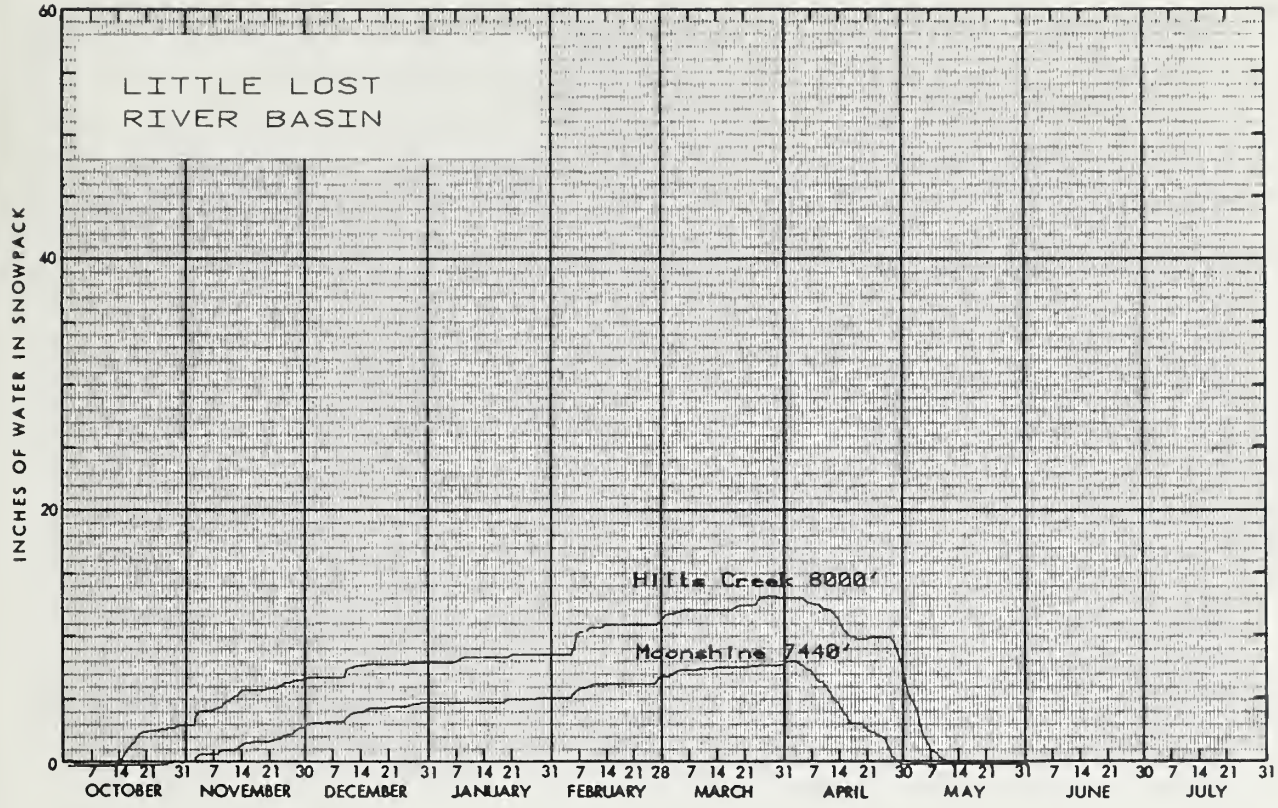

UPPER SALMON
RIVER BASIN
INCHES OF WATER IN SNOWPACK
Mill Creek Summit 8800'
Morgan Creek 7600'
0
20
40
60
7 14 21 31 7 14 21 30 7 14 21 31 7 14 21 31 7 14 21 28 7 14 21 31 7 14 21 30 7 14 21 31 7 14 21 30 7 14 21 31
OCTOBER
NOVEMBER
DECEMBER
JANUARY
FEBRUARY
MARCH
APRIL
MAY
JUNE
JULY

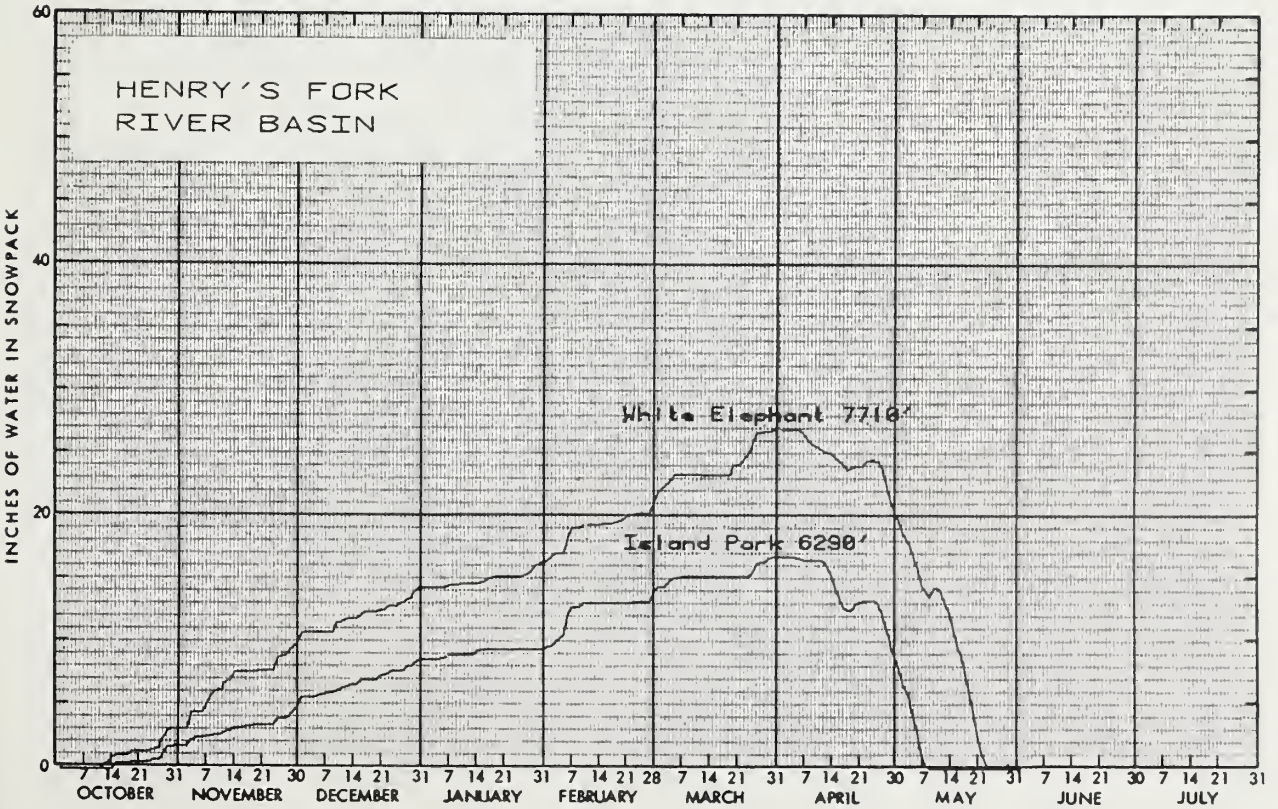

BOISE
RIVER BASIN
INCHES OF WATER IN SNOWPACK
0
20
40
60
7 14 21 31 7 14 21 30 7 14 21 31 7 14 21 31 7 14 21 28 7 14 21 31 7 14 21 30 7 14 21 31 7 14 21 30 7 14 21 31
OCTOBER
NOVEMBER
DECEMBER
JANUARY
FEBRUARY
MARCH
APRIL
MAY
JUNE
JULY
Trinity Mountain 7770'
Jackson Peak 7070'

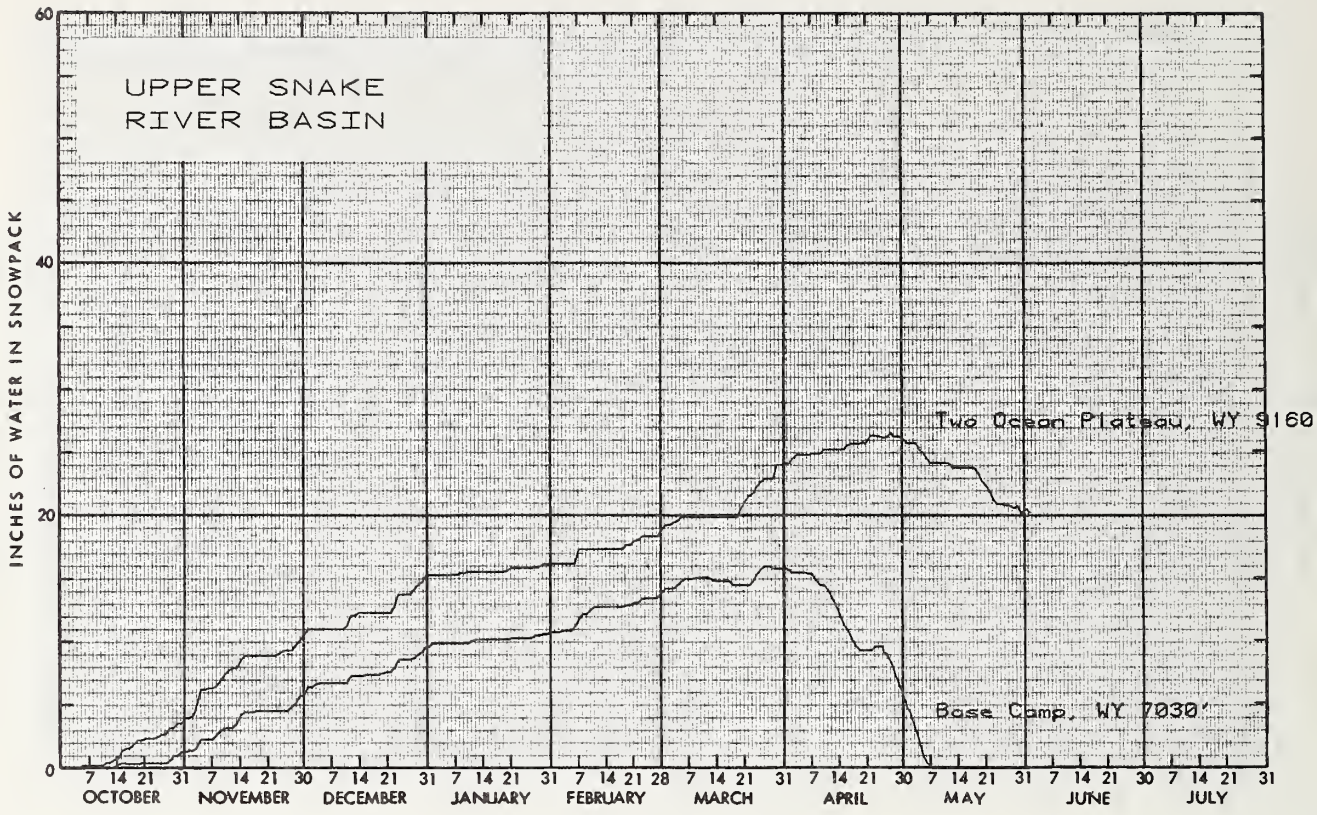

BIG WOOD
RIVER BASIN
INCHES OF WATER IN SNOWPACK
0
20
40
60
7 14 21 31 7 14 21 30 7 14 21 31 7 14 21 31 7 14 21 28 7 14 21 31 7 14 21 30 7 14 21 31 7 14 21 30 7 14 21 31
OCTOBER
NOVEMBER
DECEMBER
JANUARY
FEBRUARY
MARCH
APRIL
MAY
JUNE
JULY
Dollarhide Summit 8420'
Galena 7440'

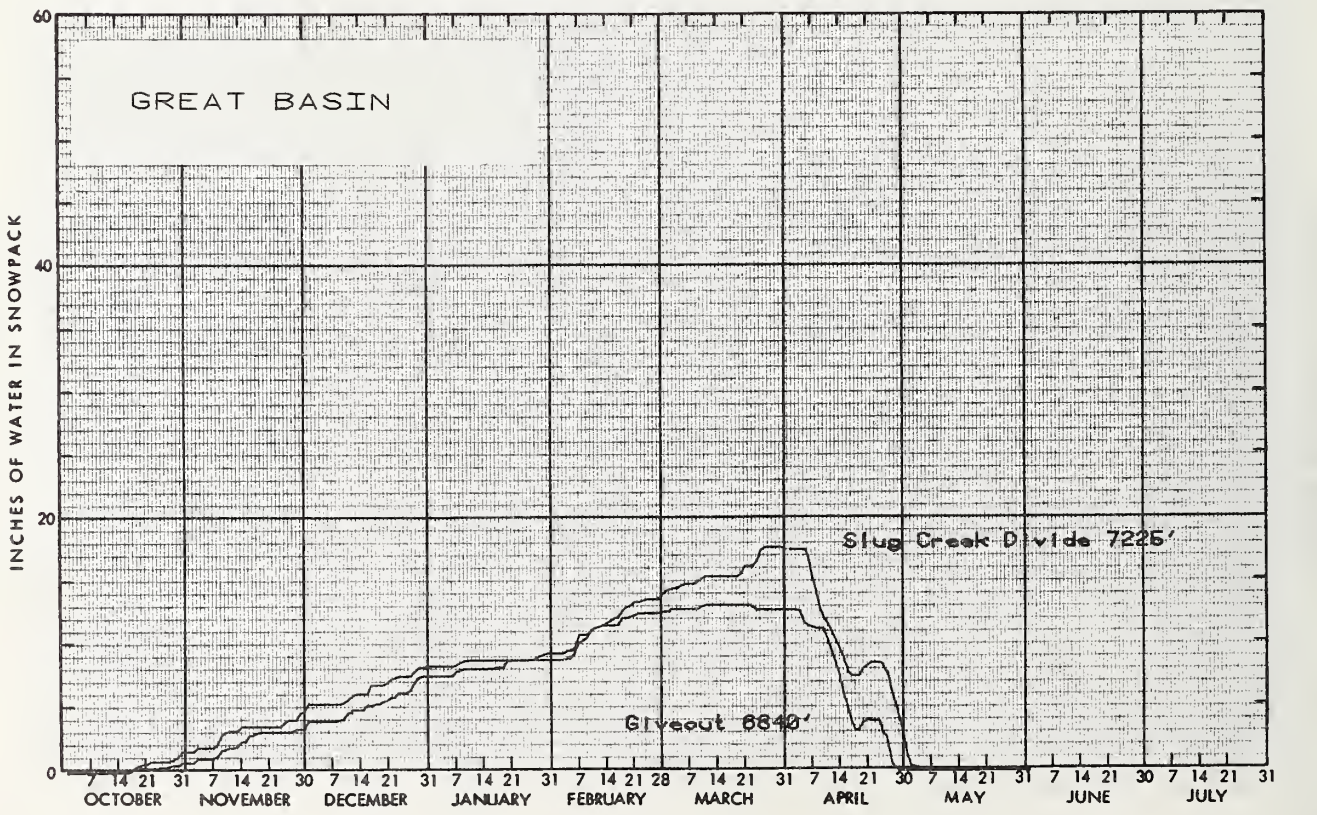

LITTLE WOOD
RIVER BASIN
INCHES OF WATER IN SNOWPACK
60
40
20
0
Swede Peak 7640'
Garfield R.S. 6660'
7 14 21 31 7 14 21 30 7 14 21 31 7 14 21 31 7 14 21 28 7 14 21 31 7 14 21 30 7 14 21 31 7 14 21 30 7 14 21 31
OCTOBER
NOVEMBER
DECEMBER
JANUARY
FEBRUARY
MARCH
APRIL
MAY
JUNE
JULY

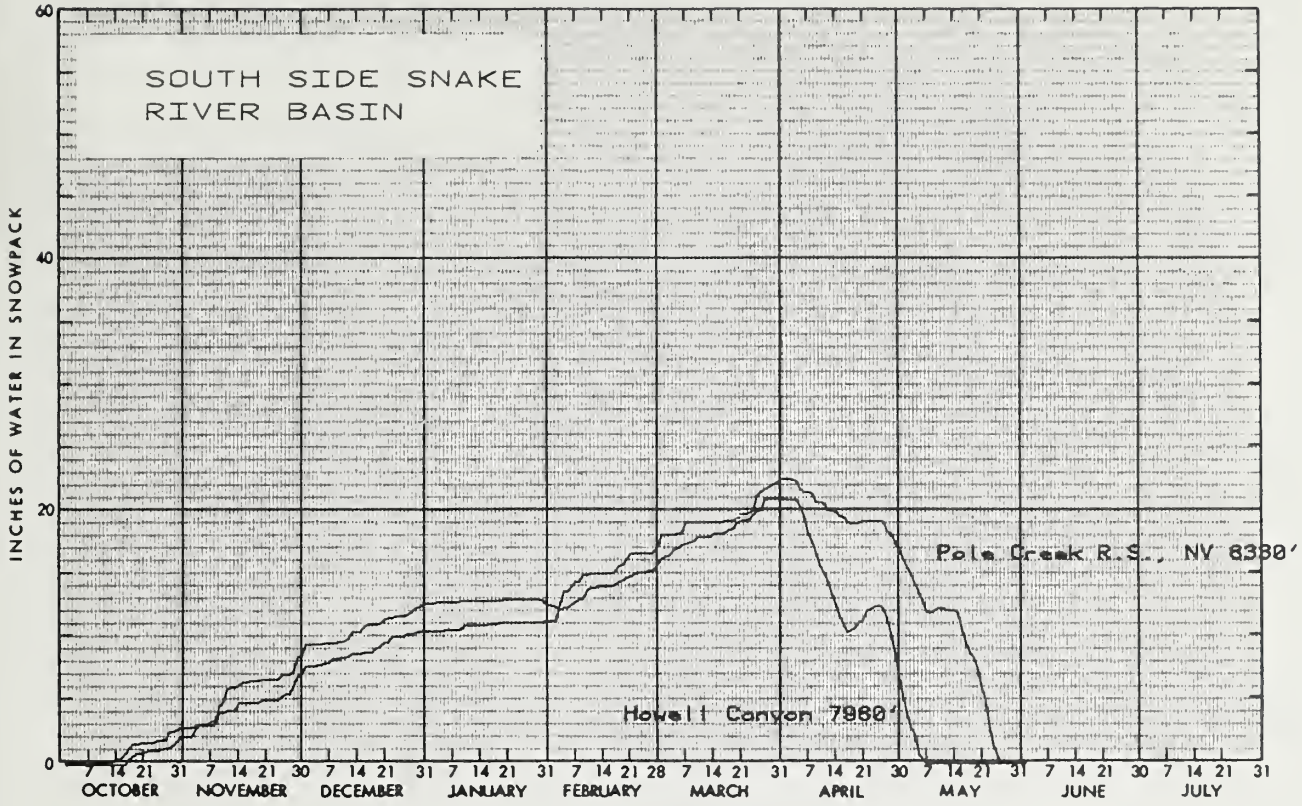

BIG LOST
RIVER BASIN
INCHES OF WATER IN SNOWPACK
60
40
20
0
Lost-Wood Divide 7900'
Stickney Mill 7430'
7 14 21 31 7 14 21 30 7 14 21 31 7 14 21 31 7 14 21 28 7 14 21 31 7 14 21 30 7 14 21 31 7 14 21 30 7 14 21 31
OCTOBER
NOVEMBER
DECEMBER
JANUARY
FEBRUARY
MARCH
APRIL
MAY
JUNE
JULY

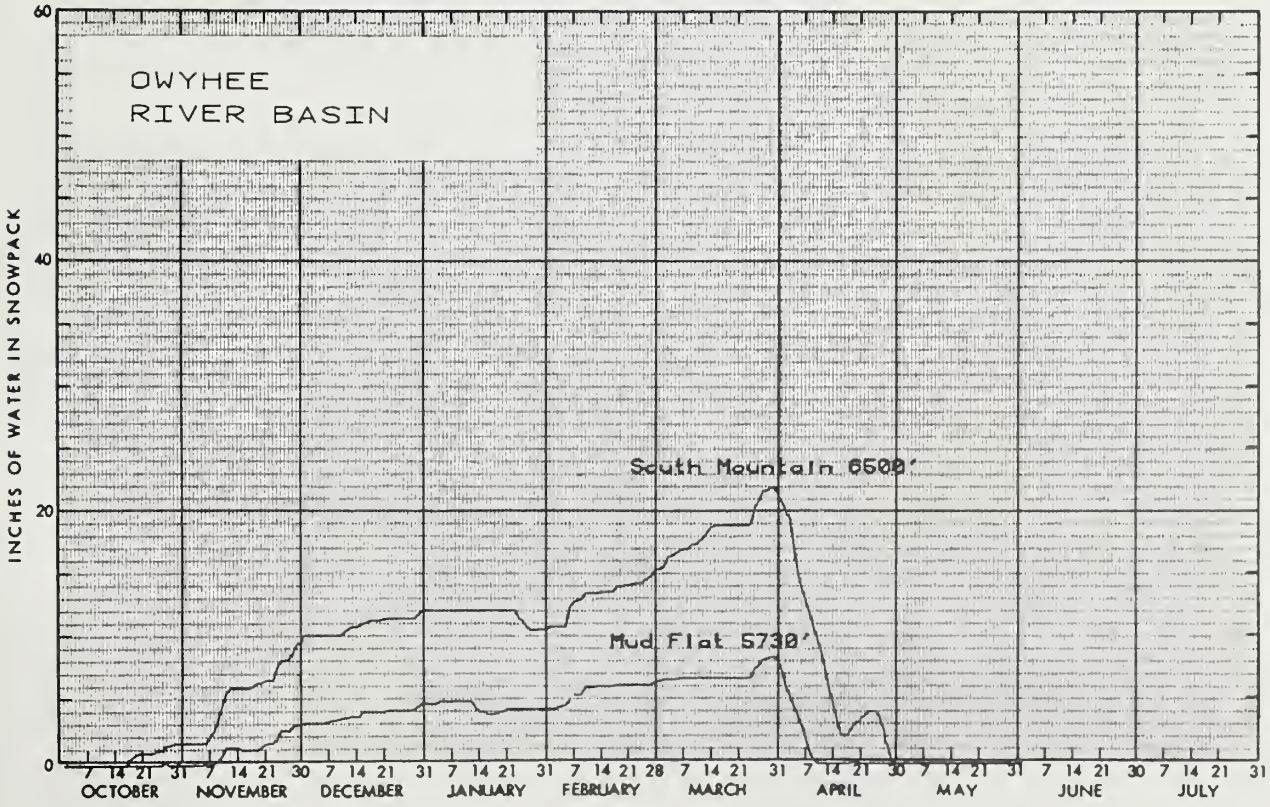

LITTLE LOST
RIVER BASIN
INCHES OF WATER IN SNOWPACK
0
20
40
60
Hilts Creek 8000'
Moonshine 7440'
7 14 21 31 7 14 21 30 7 14 21 31 7 14 21 31 7 14 21 28 7 14 21 31 7 14 21 30 7 14 21 31 7 14 21 30 7 14 21 31
OCTOBER
NOVEMBER
DECEMBER
JANUARY
FEBRUARY
MARCH
APRIL
MAY
JUNE
JULY


HENRY'S FORK
RIVER BASIN
INCHES OF WATER IN SNOWPACK
0
20
40
60
White Elephant 7710'
Island Park 6290'
7 14 21 31 7 14 21 30 7 14 21 31 7 14 21 31 7 14 21 28 7 14 21 31 7 14 21 30 7 14 21 31 7 14 21 30 7 14 21 31
OCTOBER
NOVEMBER
DECEMBER
JANUARY
FEBRUARY
MARCH
APRIL
MAY
JUNE
JULY


UPPER SNAKE
RIVER BASIN
INCHES OF WATER IN SNOWPACK
60
40
20
0
Two Ocean Plateau, WY 9160'
Base Camp, WY 7030'
7 14 21 31 7 14 21 30 7 14 21 31 7 14 21 31 7 14 21 28 7 14 21 31 7 14 21 30 7 14 21 31 7 14 21 30 7 14 21 31
OCTOBER
NOVEMBER
DECEMBER
JANUARY
FEBRUARY
MARCH
APRIL
MAY
JUNE
JULY


GREAT BASIN
INCHES OF WATER IN SNOWPACK
60
40
20
0
Slug Creek Divide 7225'
Giveout 6840'
7 14 21 31 7 14 21 30 7 14 21 31 7 14 21 31 7 14 21 28 7 14 21 31 7 14 21 30 7 14 21 31 7 14 21 30 7 14 21 31
OCTOBER
NOVEMBER
DECEMBER
JANUARY
FEBRUARY
MARCH
APRIL
MAY
JUNE
JULY


SOUTH SIDE SNAKE
RIVER BASIN
INCHES OF WATER IN SNOWPACK
60
40
20
0
Pole Creek R.S., NV 8330'
Howell Canyon 7960'
7 14 21 31 7 14 21 30 7 14 21 31 7 14 21 31 7 14 21 28 7 14 21 31 7 14 21 30 7 14 21 31 7 14 21 30 7 14 21 31
OCTOBER
NOVEMBER
DECEMBER
JANUARY
FEBRUARY
MARCH
APRIL
MAY
JUNE
JULY


OWYHEE
RIVER BASIN
INCHES OF WATER IN SNOWPACK
60
40
20
0
South Mountain 6600'
Mud Flat 5730'
7 14 21 31 7 14 21 30 7 14 21 31 7 14 21 31 7 14 21 28 7 14 21 31 7 14 21 30 7 14 21 31 7 14 21 30 7 14 21 31
OCTOBER
NOVEMBER
DECEMBER
JANUARY
FEBRUARY
MARCH
APRIL
MAY
JUNE
JULY

## GOVERNMENT AGENCIES

### State

Idaho Department of Water Resources
Oregon State Engineer and Corps of State Watermasters

### Federal

Montana Cooperative Snow Surveys
Nevada Cooperative Snow Surveys
Oregon Cooperative Snow Surveys
Utah Cooperative Snow Surveys
Wyoming Cooperative Snow Surveys

U.S. Army Corps of Engineers

U.S. Department of Agriculture
Forest Service

U.S. Department of Commerce
NOAA, National Weather Service

U.S. Department of Interior
Bureau of Reclamation
Water Resources Division, Geological Survey
Shoshone-Bannock Tribal Council

## PUBLIC UTILITIES

Washington Water Power Company
Idaho Power Company

## ORGANIZED PUBLIC AGENCIES

Big Lost River Irrigation District
Blaine Soil Conservation District
Boise Project Board of Control
Idaho Water District #01
Little Wood River Irrigation District
Salmon Falls Creek Irrigation Company
Twin Falls Soil Conservation District
Big Wood Irrigation Company
Owyhee Project - North & South Board of Control
Valley Soil Conservation District
Portneuf Soil and Water Conservation District
East Cassia Soil and Water Conservation District
West Cassia Soil and Water Conservation District
Camas Soil and Water Conservation District
Lewiston Orchards Irrigation District

## PRIVATE ORGANIZATIONS

FMC Corporation
Cyprus Mining Company
Les Bois Resort

*Other organizations and individuals furnish valuable information for snow survey reports. Their cooperation is gratefully acknowledged.*

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*"The Conservation of Water begins with the Snow Survey"*

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